

Title (en)  
Electrostatic capacitance detection device

Title (de)  
Elektrostatische Kapazitätsdetektionsvorrichtung

Title (fr)  
Dispositif de détection de capacité électrostatique

Publication  
**EP 1343111 A3 20040811 (EN)**

Application  
**EP 03251269 A 20030304**

Priority  
JP 2002058071 A 20020304

Abstract (en)  
[origin: EP1343111A2] An electrostatic capacitance detection device comprising M number of individual power-supply lines and N number of individual output lines arranged in a matrix of M rows and N columns, and an electrostatic capacitance detecting element formed at the intersection thereof, wherein the electrostatic capacitance detecting element includes a signal detection element and a signal amplifying element, the signal detection element includes a capacitance detecting electrode and a capacitance detecting dielectric layer, and the signal amplifying element includes an MIS thin-film semiconductor device for signal amplification, including a gate electrode, a gate insulator, and a semiconductor layer.  
<IMAGE>

IPC 1-7  
**G06K 9/20**; **G01R 27/26**; **A61B 5/117**

IPC 8 full level  
**A61B 5/117** (2006.01); **G01B 7/28** (2006.01); **G06K 9/00** (2006.01); **G06T 1/00** (2006.01); **H01L 29/786** (2006.01)

CPC (source: EP US)  
**G06V 40/1306** (2022.01 - EP US)

Citation (search report)  
• [XY] EP 1041356 A1 20001004 - MITSUBISHI ELECTRIC CORP [JP]  
• [Y] US 4429413 A 19840131 - EDWARDS DAVID G [US]  
• [A] WO 9852135 A2 19981119 - VERIDICOM INC [US]

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US7616786B2; WO2005031636A1

Designated contracting state (EPC)  
AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LI LU MC NL PT RO SE SI SK TR

DOCDB simple family (publication)  
**EP 1343111 A2 20030910**; **EP 1343111 A3 20040811**; **EP 1343111 B1 20100602**; DE 60332788 D1 20100715; JP 2003254706 A 20030910; JP 3858728 B2 20061220; US 2003222659 A1 20031204; US 7127089 B2 20061024

DOCDB simple family (application)  
**EP 03251269 A 20030304**; DE 60332788 T 20030304; JP 2002058071 A 20020304; US 37511103 A 20030228